



PATENT ABSTRACTS OF JAPAN

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MASUI HIROYUKI
TAKAHASHI TOMONORI****(54) PRODUCTION OF GRANULAR NONIONIC
DETERGENT COMPOSITION**

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a granular nonionic detergent compsn. which can retain a good smell even after long storage by subjecting a mixture of a nonionic surfactant and a perfume and detergent builder to granulation by stirring or granulation by kneading and crushing.

SOLUTION: A nonionic surfactant having an m.p. of 40°C or lower and an HLB of 9-16 (e.g. a polyoxyethylene alkyl or alkenyl ether or a fatty acid methyl ester ethoxylate prep'd. by the addition reaction of ethylene oxide to a fatty acid methyl ester) in an amount of 15-50 wt.%, pref. 15-40 wt.%, still pref. 15-35 wt.% is mixed with 0.001-1 wt.%,

pref. 0.01-0.8 wt.%, still pref. 0.05-0.5 wt.%, perfume (e.g. a 10-15C alcohol, a 7-10C arom. alcohol, or an 8-17C formic or acetic ester), at 20-80°C. The resulting mixture and 20-80 wt.%, pref. 30-70 wt.%, detergent builder are subjected to granulation by stirring or granulation by kneading and crushing at 20-60°C.

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